

Title (en)

LITHIUM SECONDARY BATTERY NEGATIVE ELECTRODE ACTIVE MATERIAL AND METHOD FOR MANUFACTURING SAME

Title (de)

AKTIVMATERIAL FÜR NEGATIVELEKTRODE EINER LITHIUMSEKUNDÄRBATTERIE UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

MATÉRIAU ACTIF D'ÉLECTRODE NÉGATIVE DE BATTERIE RECHARGEABLE AU LITHIUM ET SON PROCÉDÉ DE FABRICATION

Publication

EP 2985821 A4 20160907 (EN)

Application

EP 14782233 A 20140226

Priority

- JP 2013082505 A 20130410
- JP 2014054760 W 20140226

Abstract (en)

[origin: EP2985821A1] [Problem] To provide a lithium secondary battery negative electrode active material consisting of a Sn-Sb based sulfide that delivers a high electrode capacity density, excellent output characteristics, and excellent cycle life characteristics and also provide a method for manufacturing the lithium secondary battery negative electrode active material, said method being capable of easily manufacturing the high performance lithium secondary battery negative electrode active material at low cost without requiring a high-temperature processing step and special facilities as required in a glass melting method. [Solution] A method for manufacturing a lithium secondary battery negative electrode active material containing a Sn-Sb based sulfide comprises a step of obtaining a Sn-Sb based sulfide precipitate by adding an alkali metal sulfide to a mixed solution of a tin halide and an antimony halide.

IPC 8 full level

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CPC (source: EP US)

C01G 19/00 (2013.01 - EP US); **C01G 30/008** (2013.01 - EP US); **H01M 4/364** (2013.01 - US); **H01M 4/366** (2013.01 - US); **H01M 4/386** (2013.01 - US); **H01M 4/387** (2013.01 - US); **H01M 4/48** (2013.01 - US); **H01M 4/485** (2013.01 - EP US); **H01M 4/5815** (2013.01 - EP US); **H01M 10/052** (2013.01 - EP US); **C01P 2002/02** (2013.01 - EP US); **C01P 2002/04** (2013.01 - EP US); **C01P 2002/72** (2013.01 - EP US); **C01P 2004/61** (2013.01 - EP US); **C01P 2004/62** (2013.01 - EP US); **C01P 2004/82** (2013.01 - EP US); **C01P 2006/40** (2013.01 - EP US); **H01M 2004/027** (2013.01 - US); **H01M 2220/20** (2013.01 - US); **Y02E 60/10** (2013.01 - EP); **Y02T 10/70** (2013.01 - US)

Citation (search report)

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DOCDB simple family (application)

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